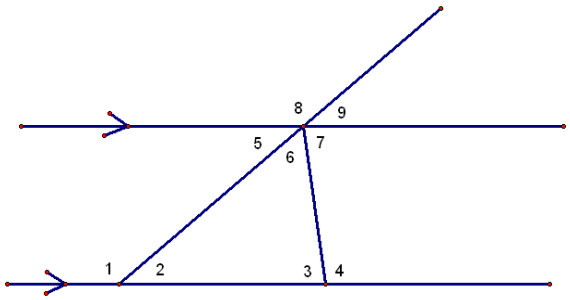
What is the distance between the following lines?

ex:	ex:	ex:
x = 10	y = -5	x = -3
x = 24	y = 16	x = 12
14	21	15

Ch 3 Review

3.1
- Parallel lines
- Skew lines
- Parallel planes
- Types of angles

3.2
- If ||, then
  - corresponding angles are ≅
  - alternate int. angles are ≅
  - alternate ext. angles are ≅
  - s-side (cons.) int. angles are suppl.
- Algebra questions (challenging)
- Proof



3.3
- Slope $m = \frac{y_2 - y_1}{x_2 - x_1}$
- vertical lines No slope/undefined $x =$ ___
- horizontal lines zero $y =$ ___
- parallel lines same slope
- perpendicular lines opp + reciprocal

3.4
- Equations of lines

$y = mx + b$

$Ax + By = C$

3.5
- If corresponding angles are $\cong$,
- If alternate int. angles are $\cong$,
- If alternate ext. angles are $\cong$,
- If s-side (cons.) int. angles are suppl.,
- then the lines are ||.
- Algebra questions (challenging)
- Proof
- Which lines are parallel?

3.6
- Perpendiculars and distance
- between horizontal lines
- between vertical lines
- use the distance formula

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

p167-170
#s 1-25, 30, 32, 34-40
p784 #16